

New Hampshire Sea Grant 2012 NSGO Review

Chris Hayes

NH SG Management

- Management staff
 - Director, Jonathan (Jon) Pennock (.40 FTE)
 - Associate Dir., Ken La Valley (.50 FTE)
 - Asst. Dir. (Research), Stephen Jones (.25 FTE)
 - Asst. Dir. (Education), Mark Wiley (.25 FTE)
 - Asst. Dir. (Communications), Steve Adams (.50 FTE)

–Small Program

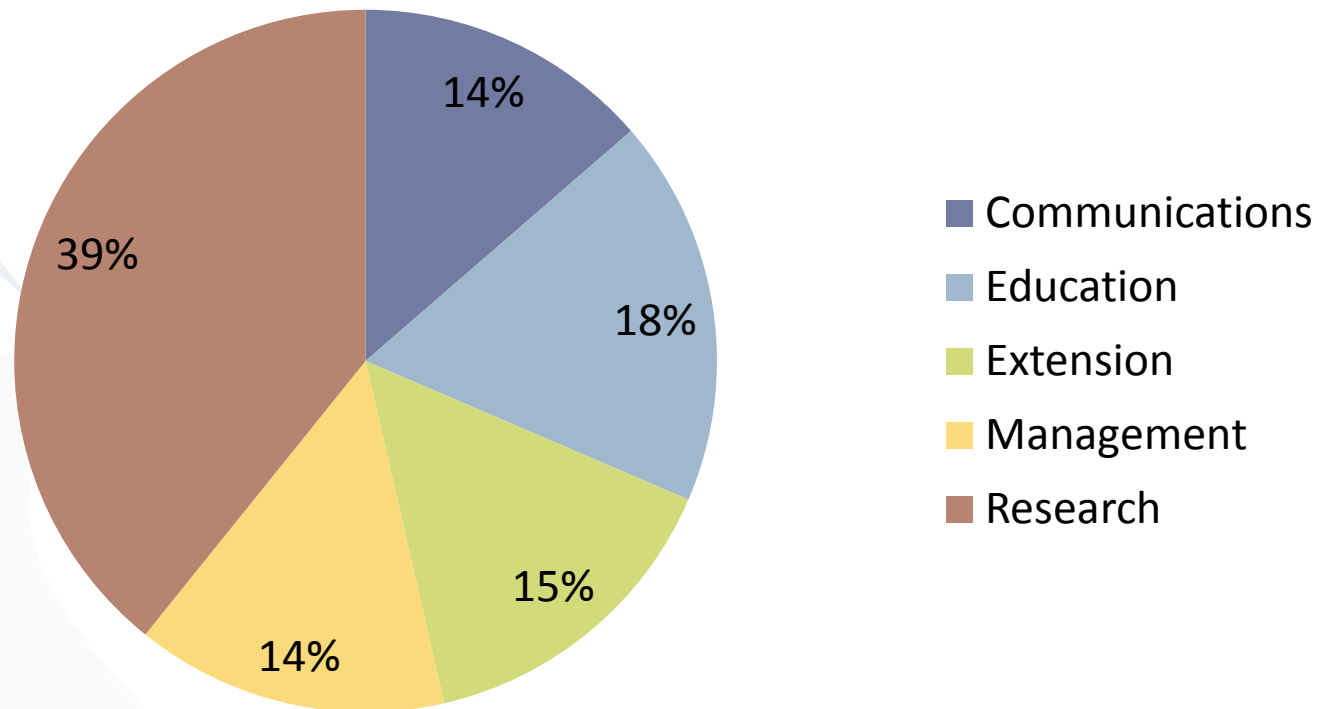
NH SG Management

- Total FTEs on staff (information in Annual report metrics)

Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Mgt/Admin	5	0.33	0.63
Comm.	3	1.48	0.75
Ext.	5	2.12	2.88
Education	5	1.80	0.33
Research	17	2.36	1.76

NH SG 2010 Core Budget (Fed + Match) towards each Functional Area

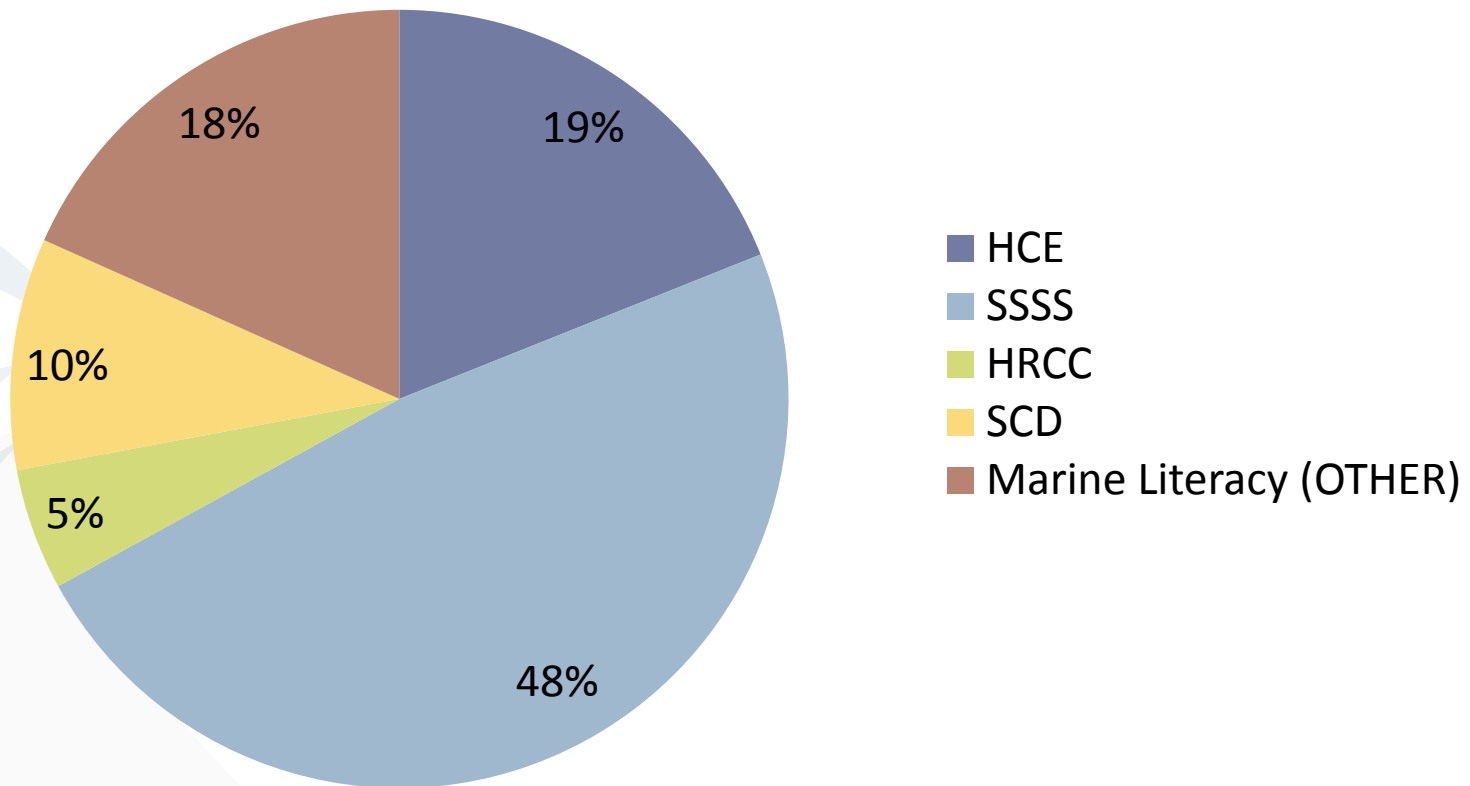
2010
Effort by Functional Area



NH SG 2010 Budget towards each Focus Area

(Fed + Match + Pass-Through + Managed Leveraged Funds)

Effort by Focus Area



Significant NH SG Changes (since Jan. 2011)

- Dr. Ken La Valley hired as NHSG Associate Director & Program Leader of NHSG Extension
- Dr. Erik Chapman hired as Fisheries Extension Specialist
- Michael Chambers hired as part of NSGO Aquaculture Extension Enhancement program

NH SG Program RFP Process

- New Hampshire Sea Grant preliminary proposals for the 2012-2013 research call were due February, 2011.
 - Areas of Focus align with the National Areas (plus Marine Literacy)
- Full Proposal Deadline was June, 2011.
- Technical Review Panel was in September, 2011.
- Letter of Intent was received in October, 2011.
 - *Regional research commitment*

NH SG RFP Process for 2012-2013 Projects

– Research Metrics

Core Proposals	# of Proposals	# of institutions	# from home institution
Pre-proposals submitted	25	1	25
Full proposals submitted	16	1	16
Proposals Funded	5	1	5

2010 NH SG Contribution to National Performance Measures and Metrics

Focus Area	Metric/Performance Measure	Actual
SSSS	Fishermen who adopted conservation minded fishing technologies	20
SSSS	Consumers participating in sustainable seafood programs, CSFs, farm-to-markets	2000
HRCC	NH communities participating in climate impact and adaptation programs	20
SCD	Coastal communities utilizing NHSG for technical assistance to protect natural resources while growing	5
HCE	Formal and informal coastal and ecosystem education program participants	1200

NH SG Impacts



- **Safe and Sustainable Seafood Supply:**
 - Goals: A healthy domestic seafood industry that harvests, produces, processes and markets seafood responsibly to meet public demand.
A resilient fishing community with the capacity to adapt to a dynamic regulatory environment and changing marine ecosystems.
- **N.H. Fishermen Using Innovative Marketing to Help Themselves**
 - NHSG worked closely with the commercial fishing industry and local partners to coordinate and implement new marketing strategies that provided economic benefits to fishermen and fresh, local sources of seafood to consumers.

NH SG Impacts



- **Safe and Sustainable Seafood Supply:**

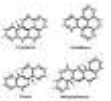
- Goals: A healthy domestic seafood industry that harvests, produces, processes and markets seafood responsibly to meet public demand.
A resilient fishing community with the capacity to adapt to a dynamic regulatory environment and changing marine ecosystems.

- **N.H. Fishermen Using Conservation Minded Fishing Gear in the Shrimp Fishery**

- NHSG has worked closely with NH and Regional scientists to develop shrimp fishing gear technologies that eliminate bycatch and significantly reduce the catch of small male shrimp vital to the sustainability of the fishery. In 2010, more than 25% of the shrimp fleet in New England used technology transferred by NHSG.

NH SG Impacts

- **Healthy Coastal Ecosystems, Sustainable Coastal Dev.:**
 1. Coastal communities effectively plan for the future and mitigate existing problems associated with coastal development and deleterious natural events.
 2. Coastal communities in New Hampshire's coastal watersheds employ strategies that protect ocean and coastal resources from degradation associated with the built environment and growing demands on coastal resources.
 3. Coastal waters are safe for recreation and locally harvested seafood is safe for consumers.
- **Polycyclic Aromatic Hydrocarbons PAHs in Environment Reduced by Coal Tar-based Sealcoat Bans**
 - NHSG-funded research determined that stormwater samples collected from parking lots treated with coal-tar based sealcoat contained significantly higher polycyclic aromatic hydrocarbon (PAH) concentrations than those treated with asphalt-based sealcoat or those left unsealed.
 - Sealcoat has been banned in Austin, Texas, Minneapolis/St. Paul, Minn., and the state of Washington, and several counties in Illinois and the state of Minnesota are considering banning sealcoat based in part on research conducted by the UNH Stormwater Center using NHSG funding.
 - Dr. Watts (project PI), will co-author a feature article that will be in the February issue of *Environmental Science & Technology*. The article will cover all of the research on coal tar sealants to date.



NH SG 2010 Research Accomplishments

- Multi-beam Sonar Enhances Studies of Cod Abundance
 - Multi-beam sonar research has established management measures aimed at protecting and restoring cod populations in the Gulf of Maine.

NH SG 2010 Research Accomplishments

- Sea Grant Research Refines Lobster Management Tools
 - N.H. Sea Grant has funded research to determine if the new ventless traps that retain more lobsters also provide more accurate estimates of natural lobster populations than the standard traps using underwater video cameras.
 - Researchers determined that ventless traps provide a more accurate estimate of natural lobster populations than standard traps. Abundance estimates may also be influenced by potential sperm limitation in the lobster fishery, so researchers examined the reproductive potential of lobsters in New England.

Source (unless otherwise noted)

- Planning, Implementation, and Evaluation Resources (PIER)
<https://pier.seagrant.noaa.gov>
- Personal Communication and feedback provided by NHSG Program staff